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TITLE : IMPACT-RESISTANT LIGHT DIFFUSING RESIN PANEL

ABSTRACT : PROBLEM TO BE SOLVED: To industrially provide a resin panel excellent in impact resistance, light permeability, light diffusibility, rigidity, matte properties and the feel of appearance at low cost.

SOLUTION: A coating layer comprising a resin compsn. wherein 5-30 pts.wt. of spherical particles having the absolute value of the difference with the refractive index of a transparent thermoplastic resin of below 0.05 and a wt. average particle size of 5-50 μm are dispersed in 100 pts.wt. of the transparent thermoplastic resin is applied to the single surface or both surfaces of a sheet-like substrate layer comprising a resin compsn., which is prepared by dispersing 3-50 pts.wt. of acrylic multilayered rubber particles and 0.5-10 pts.wt. of a light diffusing agent having the absolute value of the difference with the refractive index of the transparent thermoplastic resin of 0.05 or more and an average particle size of 0.5-20 μm in 100 pts.wt. of the transparent thermoplastic resin, in a thickness of 100 μm or less.

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